

Notice of Allowability

Application No.

10/775,194

Examiner

Long Nguyen

Applicant(s)

TSUCHI, HIROSHI

Art Unit

2816

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 2/21/06 and the authorization for examiner's amendment on 2/27/06.

2. ☒ The allowed claim(s) is/are 1-18 and 21-25.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☒ All b) ☐ Some* c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Liam McDowell (Reg. No. 44,231) on 2/27/06.

The application has been amended as follows:

In The Claims

Claim 20 has been canceled.

Reasons For The Above Change

The cancellation of claim 20 has been made to overcome the indefinite problem in the claim, and also to avoid the improper dependent form for failing to limit the subject matter of the previous claim (independent claim 21).

REASONS FOR ALLOWANCE

2. Claims 1-18 and 21-25 are allowed.

Claims 1, 21 and 22 are allowed because the prior art of record fails to disclose or suggest a driving circuit which includes a first amplifier circuit, a second amplifier circuit, and an input control circuit with the recited connections and operations set forth therein. In particular, the prior art fails to disclose or suggest that the input control circuit performing control so that during the first period, one of the first voltage and the second voltage, is supplied in common to

Art Unit: 2816

the input terminals of the first amplifier circuit and the second amplifier circuit, or the first and second voltages are respectively supplied to the input terminals of the first amplifier circuit and the input terminal of the second amplifier circuit; and during the second period, the target voltage is supplied in common to the input terminals of the input terminals of the first amplifier circuit and the second amplifier circuit.

Claims 2-18, and 23-24 are allowed because they depend on claim 1.

Claims 25 are allowed because the prior art of record fails to disclose or suggest a driving circuit which includes an amplifier circuit and an input control circuit with the recited connections and operations set forth therein. In particularly, the prior art of record fails to disclose or suggest that the amplifier circuit includes a first amplifier circuit and a second amplifier circuit, and wherein the input control circuit for performing control so that a predetermined constant voltage and the signal voltage are switched for supply to an input of the amplifier circuit.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directly to Examiner Long Nguyen whose telephone number is (571) 272-1753. The Examiner can normally be reached on Monday to Thursday from 8:00am to 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached at (571) 272-1740. The fax number for this group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

Art Unit: 2816

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



LONG NGUYEN
PRIMARY EXAMINER